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and assistant in anthropology with assignment for field work among the Indians of California. Professor J. C. Merriam of the paleontological department has been given immediate charge of the research. Dr. P. M. Jones is engaged in archeological work with special reference to Santa Rosa Island. An honorary advisory committee has been appointed by the regents, as follows :

Dr. Benjamin I. Wheeler, President of the University.

Professor F. W. Putnam, Chairman of the Committee.

Mrs. Phoebe Hearst.

Miss Alice C. Fletcher.

Mrs. Zelia Nuttall.

Dr. Franz Boas.

Professor John C. Merriam.

Mr. J. G. M. E. d'Aquin has been appointed assistant secretary and executive officer of the department.

#### SCIENTIFIC NOTES AND NEWS.

THE eightieth birthday of Professor Rudolf Virchow has been celebrated in Berlin with elaborate ceremonies. The birthday actually occurred on Sunday, October 13, but the public exercises were on the previous day. There was a reception in the Pathological Institute in the afternoon and a banquet in the dining hall of the Prussian Diet in the evening, followed by an official reception in the parliament hall. Professor Waldeyer, secretary of the Berlin Academy of Sciences, presented 50,000 Marks, subscribed by medical men in Germany toward increasing the Virchow research fund. The Emperor has conferred an order and a medal, which have presumably been so long withheld owing to Professor Virchow's active participation on behalf of liberal institutions. The municipality of Berlin has resolved to call its new hospital, containing beds for 1,700 patients, the Virchowkrankenhaus. In New York City there was a banquet in honor of Virchow on October 12, when addresses were made by Drs. William Osler, W. H. Welch, A. Jacobi and A. H. Smith. Two days previously the Geselligwissenschaftliche Verein also celebrated the

event, on which occasion addresses were made by Drs. A. Jacobi, Franz Boas and J. N. Senner.

A STATUE of Pasteur was unveiled on September 9, at Arbois, where he spent his childhood and his holidays in later life. The monument, erected at a cost of over \$10,000, was designed by M. Daillon and represents Pasteur seated. On the pedestal are two bas-reliefs, one representing inoculation against rabies and the other agriculture profiting from Pasteur's discoveries. On the occasion of the unveiling addresses were made by M. Decrais, French minister of the colonies, and M. Liard, representing the Department of Public Instruction.

AMONG the scientific men who will be present as delegates at the bicentennial celebration of Yale University are : President H. S. Pritchett and Professors Wm. T. Sedgwick and George F. Swain from the Massachusetts Institute of Technology ; President Schurman from Cornell University ; Professors J. M. Van Vleck, W. N. Rice and W. O. Atwater from Wesleyan University, and Dr. H. C. Bumpus from the American Museum of Natural History.

DR. RUDOLF VON LEUTHOLD, has been appointed Staff-Surgeon-General of the German Army, in succession to the late Dr. von Coler.

SURGEON GENERAL GEORGE M. STERNBERG has returned to Washington after a tour of inspection in the Philippines.

PROFESSOR BASHFORD DEAN has returned to Columbia, after spending his sabbatical year in the east. He has brought back an almost complete series of developmental stages of the Port Jackson Shark, *Heterodontus japonicus*, a number of stages in the development of *Chlamydoselachus*, two new *Myxinoids*, a new *Chimæra*, together with a general zoological collection. During a visit to the Hokkaido (Yezo), he brought together several hundred specimens of Aino antiquities, which are now deposited in the American Museum of Natural History in New York. He also secured a collection of interesting glass sponges from the region of Misaki, which are also destined for the American Museum. Among other specimens are included a

number illustrating artificial selection; a series of the highly specialized varieties of Japanese gold fishes together with a number of the long-tailed fowls of Tosa, whose tail feathers sometimes reach the extraordinary length of fifteen feet. For the Columbia collection, he obtained during a visit in southern Negros, P. I., a series of dissections of *Nautilus*, prepared from fresh material. Dr. Dean, while in Japan, was the guest of the Imperial University of Tokyo, and spent most of his time at the zoological laboratory at Misaki.

PROFESSOR F. W. PUTNAM has recently returned from his trip through New Mexico and California. During part of the time he was engaged, in company with Professor J. C. Merriam, of the University of California, in a geological and archeological study of the gravels and other recent formations of California. For this purpose several caves in Calaveras and Tuolumne counties were explored, and human and other bones were found. Many old mining shafts and tunnels were also examined. On his way east Professor Putnam accepted an invitation to address the committee of the St. Louis World's Fair of 1903 in relation to the proposed ethnographical exhibit of the native peoples of the world.

MR. J. E. SPURR, who, as we have already noted, has been employed for geological surveys by the Sultan of Turkey, has begun his work in Macedonia and Albania.

DR. C. H. HERTY, of the University of Georgia, has during the summer been engaged in an investigation of the turpentine industry in southern Georgia. His results will appear in the bulletin of the Bureau of Forestry, for which he has acted as scientific assistant.

MR. WILLIAM L. CHERRY has returned to Chicago from a trip of several years' duration in Central Africa. He has brought with him to America a large ethnological collection.

DR. ROLAND B. DIXON has returned to Harvard University from an extended trip in Russia. Mr. W. C. Farabee, a graduate student at Harvard University, has been engaged during the summer in exploring a pueblo ruin in New Mexico, and A. M. Tozzer, a second-year graduate, has made a study of myths and

language of the Navajo Indians. William Jones, a student and fellow of Columbia University, has returned from Oklahoma, where he has been conducting linguistic researches conjointly for the American Museum of Natural History and the Bureau of American Ethnology. Henry Minor Huxley has returned from his anthropological expedition in Syria.

THE Philippine Forestry Bureau has made a veritable raid on the professionally educated foresters in this country. The New York State College of Forestry has lost two of its senior students, Messrs. Clark and Klemme, who were sufficiently advanced in their studies to pass the Civil Service examination, and also Mr. Hagger, its forest manager from the College Forest, and its first graduate, who leaves a position with the New York State Forest, Fish and Game Commission. Captain Geo. P. Ahern, the chief of the Forestry Bureau, also secured the services of two other foresters, Messrs. Griffith and Hareford, and of Mr. S. N. Neely, a civil engineer, formerly employed by the United States Forestry Division in timber and physics work, to conduct a wood-testing laboratory. The crop of foresters promises to grow more rapidly in the future, the New York State College of Forestry having, this year, inscribed 38 students, and the students in the Yale Forest School, showing an increase of 22.

THE sixtieth birthday of Professor Hermann Nothnagel, the eminent pathologist of the University of Vienna, has been celebrated with appropriate ceremonies by his former students.

A TESTIMONIAL banquet, in honor of Dr. N. S. Davis, was given at Chicago on October 5. There were about 350 physicians in attendance and addresses were made by a number of well-known medical men and by Dr. Davis, who was presented with a cup. Dr. Davis, who was born January 19, 1817, took an important part in the reform of medical education in the United States. The American Medical Association was established at his initiative, and he was the first editor of its journal.

DR. SAMUEL J. JONES, professor of ophthalmology and otology at the Northwestern University Medical School, died October 4, aged

65 years. He was for many years editor of the *Chicago Medical Journal and Examiner*.

WE regret to learn that Mr. Joseph S. Crosswell, a graduate of the Massachusetts Institute of Technology and instructor in shop work and drawing at the Missouri School of Mines, as a result of emotional insanity, shot and killed Miss M. Powell, after which he committed suicide.

THE death is announced of Major-General Alfred Wilkes Drayson, who was for many years professor of astronomy at Woolwich, England.

DR. MAX REESS, formerly professor of botany in the University at Erlangen, died on September 15, aged fifty-six years.

THE Board of Directors of the Rockefeller Institute for Medical Research held a meeting in New York City on October 12. It was decided to award nineteen fellowships, the holders of which will work in established laboratories.

THE Medical Society of the State of Pennsylvania met at Philadelphia on September 24, 25 and 26, under the presidency of Dr. Thomas D. Davis, of Pittsburg. Dr. F. P. Ball, of Lock Haven, was elected president for next year, and the meeting will be at Allentown.

THE New York State Medical Association will meet in New York City, beginning on October 22.

WE learn from the New York *Medical Record* that a conference of sanitary officers of the state of New York will be held at Albany on October 24 and 25. It will commence with an evening session on the twenty-fourth, which will be held in the Assembly Chamber of the capitol, and it is expected that the meeting will be addressed by Governor Odell. The next day there will be a morning and afternoon session, and the conference will close with a banquet in the evening at the hotel Ten Eyck. The object of this gathering is to afford an opportunity for meeting and making the personal acquaintance of the local and the central health authorities, and in a personal conference to present, by addresses and discussions, subjects and matters which are of practical and immediate interest to boards of health and their executive officers.

THE Christmas Island Phosphate Company has given £1,000 to the Liverpool School of Tropical Medicine for a scientific expedition to investigate beri-beri, and has also given free transportation to the members of the expedition who left Cardiff on October 4. Sir John Murray and the Colonial Office have each contributed £100 in aid of the expedition.

REUTER'S AGENCY reports that the Antarctic steamship, *Discovery*, on its way to Cape Town landed a party at South Trinidad, which remained six hours on the island. Messrs. Scott, Murray and Kottlitz ascended over 1,000 feet, obtaining some interesting natural history collections. Some new specimens of seaweed were obtained by towing a net while sailing, and were named after the *Discovery* and Mr. Scott.

WORD has been received by Professor Osborn of the discovery of the entire side of the shell of a fossil *Glyptodon* by an expedition from the American Museum of Natural History in Texas. This animal looks more like a turtle than a mammal, the body being encased in a dome-shaped shell of bone, ornamented with an elaborate mosaic pattern. It has hitherto been known in this country by only two teeth and a few pieces of the shell, recorded by Professors Cope and Leidy in Texas and Florida in 1888 and 1889. The great shell found by the American Museum is four feet long, accompanied by the heavily armored tail, all beautifully sculptured and in perfect preservation. It is not a true *Glyptodon*, but more like the species *Hoplophorus* described by Lund from the bone caverns of Brazil. This specimen has been shipped to the Museum. It was found by one of the expeditions sent out especially for fossil horses.

THE Peabody Museum of Harvard University has secured several large stone sculptures or old Mexican idols, stone faces, stone beads, etc., which were collected about forty years ago by a resident of Mexico.

THE London correspondent of the New York *Evening Post* cables that a second consignment containing the later collections made by Sir Harry Johnston in East Africa has been received at the Natural History Museum. It in-

cludes four specimens of the five-horned giraffe, two males and two females, obtained on Mount Elgon. Expert opinion, however, has not yet pronounced this giraffe to be distinct from the form already known to occur in East Central Africa. Dr. Oldfield Thomas, the mammalogist of the Museum, is preparing a critical statement for the Zoological Society. The Royal Gardens at Kew have received an important series of plants collected by Sir Harry Johnston on the Ruwenzori mountain range, several species being new to botanical science.

IN Forest Park, the site selected for the exposition to be held in St. Louis in 1903, is a group of six circular mounds. In order that they may remain during and after the fair, steps should be taken by the scientific men of St. Louis to preserve them from destruction during the erection of the buildings. They would certainly form an interesting addition to the archaeological exhibit of the exposition equal in value to the space they occupy and would afterwards remain objects of permanent interest.

THE Director-in-Chief and other members of the staff of the New York Botanical Garden have extended an invitation to members and their friends to be present in Bronx Park on Saturdays, October 12, 19, 26 and November 2, 9 and 26. A train leaves Grand Central station at 2:15 p. m. for Bronx Park, and returning leaves Bronx Park at 5:38 p. m. Opportunity will be given for inspection of the museums, laboratories, library and herbarium, the large conservatories, the herbaceous collection, the hemlock forest, the fruticetum and parts of the arboretum site. The walk planned will be a little over one mile. The following lectures will be given at 4:30 p. m. :

October 12. 'Sunlight and vegetation,' by DR. D. T. MACDOUGAL.

October 19. 'Botany of the West Indies,' by DR. N. L. BRITTON.

October 26. 'Habits and characteristics of some of the larger marine plants,' by DR. M. A. HOWE.

November 2. 'Ancestral history of some living trees,' by DR. C. A. HOLLICK.

November 9. 'Production of cinchona bark and quinine in the East Indies,' by DR. H. H. RUSBY.

November 16. 'Botanical features of the mountains of Colorado,' by DR. L. M. UNDERWOOD.

#### UNIVERSITY AND EDUCATIONAL NEWS.

MRS. JAMES FINNEY HOW has given to Washington University the sum of \$100,000 as a memorial of her father, the late James B. Eads. It has not yet been decided in what way this sum shall be used.

THE University and Bellevue Hospital Medical School has received an anonymous gift of \$25,000.

COLUMBIA UNIVERSITY has received from Dean Lung a gift of \$12,000 to be added to the endowment of \$100,000 for the Chinese department given last June.

THE HON. OSCAR STRAUS has given to the University of Georgia a cabinet organ and several hundred dollars toward an equipment for work in experimental psychology.

MISS HELEN MILLER GOULD has given to Vassar College two scholarships of \$10,000 each, for the benefit of graduates of the Tarrytown High School and of the Washington Irving High School at Irvington, N. Y.

THE new building for the Tufts College Medical School was opened on October 3, when Dr. Elmer T. Capen, president of the college, made the inaugural address.

THE Missouri School of Mines is now putting in a new heating plant and has in process of erection a building to be known as 'Mechanical Hall.' It will have two stories, 150 x 60 feet, and will be used for shop work and dynamo, steam and hydraulic laboratories. A second story is being added to the chemical laboratory, and it is being enlarged by two wings 55 x 60 feet each. One of these will be devoted entirely to assaying. An extension, 42 x 80 feet, to the ore-dressing and metallurgical laboratory, which has a floor space of 60 x 75 feet, will also be added, and plans have been made for a new main building. It will be three stories, with a basement well above ground, and 140 x 85 feet. The new site for this building has been purchased, consisting of eight acres immediately adjacent to the present campus, which contains about 20 acres. The present floor space of the school, devoted to laboratories, lecture rooms, etc., is 45,085 square feet. It will be on completion of the new buildings 126,848 square feet.

THE registration at the summer quarter of